



**CITY OF LODI  
COUNCIL COMMUNICATION**

**AGENDA TITLE:** Adopt Resolution Approving Annual Purchase Order with D.C. Frost Associates, Inc., of Walnut Creek, for Materials and Services Needed to Maintain Ultraviolet (UV) Disinfection System at White Slough Water Pollution Control Facility (\$308,180)

**MEETING DATE:** October 7, 2009

**PREPARED BY:** Public Works Director

---

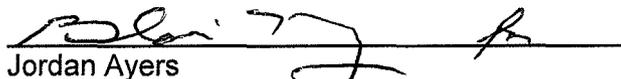
**RECOMMENDED ACTION:** Adopt a resolution approving an annual purchase order with D.C. Frost Associates, Inc., of Walnut Creek for materials and services needed to maintain the UV disinfection system at White Slough Water Pollution Control Facility (WSWPCF), in the amount of \$308,180.

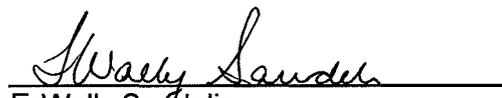
**BACKGROUND INFORMATION:** The UV System at WSWPCF went online in January 2005. Although relatively new, the system requires regular maintenance to keep it operating properly. D.C. Frost Associates is the local representative for Trojan Technologies, the sole source for the UV equipment.

The attached list of materials and services is an estimate of parts needed for annual maintenance, based on past usage. Also included on the list is the cost to provide quarterly service from a certified technician. The materials and services are essential to maintain optimal operation and ensure against fines due to equipment malfunction.

**FISCAL IMPACT:** This purchase reduces the risk of failures to the UV system and the liability of fines which would be imposed by the State Water Resources Control Board.

**FUNDING AVAILABLE:** The money for this purchase order will be coming from the 2009/10 White Slough Operating Fund (170403). The estimated cost is \$308,180 (including tax and freight).

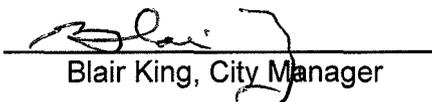
  
Jordan Ayers  
Deputy City Manager/Internal Services Director

  
F. Wally Sandelin  
Public Works Director

Prepared by Del Kerlin, Wastewater Treatment Superintendent  
FWS/DK/ki  
Attachment

cc: D. Stephen Schwabauer, City Attorney  
Charles E. Swimley, Jr., Water Services Manager  
Del Kerlin, Wastewater Treatment Superintendent

---

APPROVED:   
Blair King, City Manager

**Aftermarket Parts Price List**

Minimum Order \$50.00

**Trojan UV3Plus**  
F.O.B. Factory, Prepay & Add Freight  
Tax is not included

Part #	Description	Quantity	Unit Price	Extended Price
302509	Lamp GA64T6 Amalgam, C-Series	880	\$145.25	\$127,820.00
316136	Sleeve, Quartz	78	\$58.10	\$4531.80
914182	Ballast	27	\$377.50	\$10,192.50
912165	Socket, 9.5A 20-16WG Amp Mini	160	0.30	\$48.00
912166	Connector, Cap 9 Position	20	1.20	\$24.00
912194	Pin, 9.5A 20-16WG Amp Mini	160	0.30	\$48.00
316135-060	Seal Socket Assembly, 4 Wire 60"	50	28.00	\$1400.00
316135-078	Seal Socket Assembly, 4 Wire 78"	20	36.00	\$720.00
316144	O-Ring, Sleeve Seal	650	0.30	\$195.00
912196	Connector, Plug 9POS AMP Mini	20	2.10	\$42.00
013169-04MST	Coupling, ¼ Hyd. MA FL	20	29.00	\$580.00
013168-04FST	Coupling ¼ NPT Hyd. FL	20	49.00	\$980.00
331005	Rust Inhibitor, Safeguard M-1	2	24.00	\$48.00
327027	Fitting, Interwiper (PVC)	50	1.20	\$60.00
327066	Fitting, Inter-Wiper 90° Elbow	22	2.10	\$46.20
327021	Seal Kit	50	23.00	\$1150.00
327095	Rubber Wiper Filler Plug	25	2.10	\$52.50
010301	Vent Screw	5	0.30	\$1.50
327030	Tubing, Viton, 1/4", part #327030	36"	0.60	\$21.60
015239	Sensor Sleeve, Quartz (6)	5	93.00	\$465.00
931012-120	Board, HCB 120V (OES 2401B)	1	2331.00	\$2331.00
326085	Water Glycol, Hydraulic (5 gallon pail)	22	280.00	\$6160.00
912706	Board, Relay 220-277V (OES 2382)	10	178.00	\$1780.00
316074	Receptacle Assembly	2	89.00	\$178.00
912179	Board, Low Level Relay 120VAC	1	211.00	\$211.00
903381	Level Sensor Electrode (2" SS)	1	31.00	\$31.00
905018	Desiccant Tray Kit w/Foot Valve	3	146.00	\$438.00
905050	Cuvette, Quartz, Threaded	3	112.00	\$336.00
316168	Ballast Enclosure O-Ring	40	2.40	\$96.00
912362	IC Transceiver Chip RS485 75176	10	19.00	\$190.00
907384	Hydraulic Filter Element	3	30.00	\$90.00
005066	Grease, Food Grade	6	19.00	\$114.00
901507	Acti-Clean Gel, 4x1 gallon containers	5	95.00	\$475.00
316506-003	End Cap Kit UV3+, Power & Plain	135	64.00	\$8640.00
327115-180SNRMID	Canister Assy, UV3+ Plasnmid	220	50.00	\$11,000.00
327115-180STDMD	Canister Assy, UV3+ Plasnmid	870	46.00	\$40,020.00
327115-025STDCL	Canister Assy, UV3+ Plastdyl,	430	45.00	\$19,350.00
327115-035PLGBOT	Canister Assy, UV3+ Plasplbot,	220	48.00	\$10,560.00
327115-025SNRCYL	Canister Assy, UV3+ Plasncyl	10	53.00	\$530.00
327115-180NRMID	Canister Assy, UV3+ Plasnmid	20	50.00	\$1000.00
906026	UVAS On-Line UVT w/sensor & controller	1	\$15,700.00	\$15,700.00
906027	UVAS Mounting Kit	1	\$389.00	\$389.00
	Preventive Maint.	Quarterly Service (1 day per quarter)	1 yr	\$11,680.00
				\$11,680.00
				<b>Total (without tax or freight)</b>
				<b>\$279,725.10</b>

RESOLUTION NO. 2009-128

A RESOLUTION OF THE LODI CITY COUNCIL  
APPROVING ANNUAL PURCHASE ORDER FOR  
MATERIALS AND SERVICES NEEDED TO MAINTAIN  
ULTRAVIOLET DISINFECTION SYSTEM AT WHITE  
SLOUGH WATER POLLUTION CONTROL FACILITY

=====

WHEREAS, the ultraviolet (UV) system at the White Slough Water Pollution Control Facility went online in January 2005 and requires regular maintenance to keep it operating properly; and

WHEREAS, D.C. Frost Associates, Inc. is the local representative for Trojan Technologies, the sole source for the UV equipment; and

WHEREAS, staff recommends approving a purchase order with D.C. Frost Associates, Inc., of Walnut Creek, California, for materials and services needed for annual maintenance, including quarterly service from a certified technician, to maintain optimal operation and to ensure against fines imposed by the State Water Resources Control Board for equipment malfunction; and

WHEREAS, the estimated cost of the purchase order, based on past usage, is \$308,180, including tax and freight.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby approve the purchase order for materials and services needed to maintain the UV disinfection system at the White Slough Water Pollution Control Facility to D.C. Frost Associates, Inc., of Walnut Creek, California, in the estimated amount of \$308,180.

Dated: October 7, 2009

=====

I hereby certify that Resolution No. 2009-128 was passed and adopted by the City Council of the City of Lodi in a regular meeting held October 7, 2009, by the following vote:

AYES: COUNCIL MEMBERS – Johnson, Katzakian, Mounce, and  
Mayor Hansen

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – Hitchcock

ABSTAIN: COUNCIL MEMBERS – None

  
RANDI JOHL  
City Clerk